



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No.10/016,256
Filing Date December 10, 2001
Inventorship..... Rene Charles Aquilina
Applicant..... Hewlett-Packard Company
Group Art Unit2624
Examiner DIVINE, Lucas
Confirmation No.4549
Attorney's Docket No. 10013703-1
Title: In-Vehicle Printing System

DECLARATION UNDER 37 C.F.R. §1.131

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I, Rene Charles Aquilina, declare:

- 1. This affidavit is being made in support of the allowability of claims 1-20 in the above-identified patent application (hereinafter referred to as "the invention").
2. I am the inventor of the subject matter described and claimed in the patent application identified above, and the inventor of each claim that this affidavit is being made in support of.
3. Each of the acts described herein was undertaken in the United States.
4. Each of the exhibits was maintained as a business record by Hewlett-Packard Company in the normal course of business.
5. Each of the dates redacted from the exhibits is prior to November 27, 2001.
6. Prior to November 27, 2001, I conceived of the invention. See Exhibit A, which is an invention disclosure record I prepared to describe the invention.


7. Prior to November 27, 2001, I discussed via telephone the invention with outside patent counsel, John Richard Dawson (hereinafter referred to as "outside patent counsel"), as documented in Exhibit B. Exhibit B is an attorney invoice submitted to Hewlett-Packard Company by outside patent counsel documenting time spent preparing this patent application. The initials JRD in the attorney invoice identify John Richard Dawson.

8. Prior to November 27, 2001, I received a draft of the patent application as prepared by outside patent counsel. On or about that time I reviewed the draft patent application and returned my comments to outside patent counsel on or about December 4, 2001, as documented in the attorney invoice (Exhibit B).

15. In December 2001, I received a final draft of the patent application. On or about that time I reviewed the final draft of the patent application. I signed the Declaration on December 8, 2001 indicating my approval of the final draft. See Exhibit C, which is a copy of the executed Declaration for this patent application.

16. The patent application was filed by Hewlett-Packard Company on December 10, 2001, as evidenced by the US Patent Office filing date accorded this patent application.

17. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.


Rene Charles Aquilina

Dated this 26 day of December, 2005.

EXHIBIT A
(Invention Disclosure Record)

 Enter PD Number



INVENTION DISCLOSURE

DATE RCVD: 03/18/2001

Tag Number: T0000126

PDNO:

10013703

ATTORNEY:

TGR

HPC -

*Instructions: The information contained in this document is **HP CONFIDENTIAL** and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.*

Red text indicates a required field.

Descriptive Title of Invention: Passenger Seat Embedded Printer	
Name of Project: In-Vehicle Embedded Printer for Telematics Support	
Product Name or Number: Passenger Seat Printer	
Submitter Location (City): Other	
Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s):	
No	Yes; technical details can be made available within the next 30 days
Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s):	
No	
Was the invention disclosed to anyone outside of HP, or will such disclosure occur? If so, the date(s) and name(s):	
Yes	Freind/old neighbor 3/17/01 Dave Grabowski
<i>If any of the above situations will occur within 3 months, call your IP Attorney or the Legal Department now at 1-857-2542 or 650-857-2542</i>	
Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.)	
Yes	First rough sketch has been created 3/16/01
Was the invention built or tested? If so, the date:	
No	No; probably need help from printer division to build working prototype and
Was this invention made under a government contract? If so, the agency and contract number:	
No	
Description of Invention: Please describe your invention in detail using the following outline.	
A. Prior solutions and their disadvantages (attach copies of any pertinent product literature, technical articles, patents, etc.).	
B. Problems solved by the invention.	
C. Advantages of the invention over what has been done before.	
D. Description of the construction and operation of the invention. (include appropriate schematic, block & timing diagrams, drawings, samples, graphs, flowcharts, computer listings, etc.).	
Electronic Attachment	
List any pertinent patents material to the invention. Listed here: Rough Sketches of design	
List any articles or references or devices pertinent to the invention. Mobile Printer Roadmap Slides	

Identify Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: [Redacted]				
Employee No. 446139	Name: Rene Aquilina	Telnet: 380-2123	Mailstop: 2607	Entity & Lab Name: HP Sales Novi, Michigan
Employee No.	Name:	Telnet:	Mailstop:	Entity & Lab Name:
Employee No.	Name:	Telnet:	Mailstop:	Entity & Lab Name:
Identify Witness(es): <i>(It's best to identify the person(s) to whom invention was first disclosed.)</i>				
The invention was first explained to, and understood by, the witness(es) on this date: 3/17/01				
Name: Dave Grabowski	Employee No.	Telnet:	Mailstop:	Entity:
Name:	Employee No.	Telnet:	Mailstop:	Entity:
Inventor & Home Address Information:				
First Inventor's Full Name: Rene Charles Aquilina			Citizenship: USA	
Street 1195 Hunter Court				
City Milford		State MI		Zip 48381
Do you have a Residential P.O. Address? No		Description		
Second Inventor's Full Name:			Citizenship:	
Street				
City		State		Zip
Do you have a Residential P.O. Address?		Description		
Third Inventor's Full Name:			Citizenship:	
Street				
City		State		Zip
Do you have a Residential P.O. Address?		Description		

Hardcopy Files: Rough Hand Drawn Sketches to be followed by electronic Sketches



Passenger Seat Printer - Rev1.doc

Description Document for the Embedded Passenger Seat Printer (Revision #1 [REDACTED])

Prior Solutions and their Disadvantages

There are no prior solutions that I am aware of for this problem

Problems Solved by the Invention

- 1) Does not take up valuable space in the front dashboard of the vehicle
- 2) Easy to reach without taking eyes off of the road
- 3) Provides adequate room for paper input and output
- 4) Provides easy access to printer mechanism for clearing paper jams and replacing printer consumables
- 5) Utilizes wasted space in lumbar region of passenger seat
- 6) Solution occupies space that would be used only when more than 3 people are in vehicle

Advantages Over What has Been Done Before

Telematics printers are a new concept, the only other implementation I have seen was a standard HP 350 printer mounted in the trunk. The advantages over this design are:

- 1) The vehicle interior is a much more suitable environment for printer (primarily from a shock and vibration perspective)
- 2) Printer, paper input and paper output are much more easily accessible

Description of Construction and Operation

- 1) Printer will be embedded in lumbar region of front passenger seat
- 2) A C-shaped plastic channel will be used to feed paper from slot in back of seat to input rollers of printer
- 3) Slot in seat-back below printer will be used for output of paper
- 4) Optional fold-down supports can be used for paper output bin or pages can fall onto floor of vehicle
- 5) Shock absorbing mounts will be used to attach printer to seat frame
- 6) Printer compartment will have a rotating dial (like a glovebox) that will open printer compartment door and allow access for removing paper jams and replacing print cartridges.
- 7) Infrared sensor will be wired into front dash of vehicle for transfer for transfer of print requests from HP JetSend enabled devices like palm/handheld computers, laptop computers, digital cameras, HP CapShare scanners and other JetSend enabled devices
- 8) Printer will get power from wiring harness in car normally used for power seat
- 9) Sketches and diagrams are in process [REDACTED]

EXHIBIT B
(Attorney Invoice #1)



ipsolon
intellectual property lawyers

**STATEMENT
FOR LEGAL SERVICES**

ipsolon llp

805 sw broadway #2740

portland, oregon 97205

telephone: (503) 249-7066

fax: (503) 249-7068

billing@ipsolon.com

Federal Tax ID No. 91-1792402

Statement as of December 11, 2001

Statement No. 4574

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DEC 17 2001

HP LEGAL FINANCE

MAILED
1-17-02

RECEIVED

DEC 19 2001

H-P LEGAL FCS

TGR
XJCM

Financial Administrator
Hewlett-Packard Company
Legal Dept., M/S 20BOB
P.O. Box 10301
Palo Alto CA 94303-0890

Matter No.	Your Ref. No.	Description
1072-075	10013703 -1	Passenger Seat Embedded Printer

Professional Fees:

Date	Attorney	Description	Hours/Units	Rate	Amount
	JRD	Teleconference with inventor; Teleconference with draftsman; begin drafting patent application.	1.00	225.00	224.94
	JRD	Draft patent application; Teleconference with inventor.	6.10	225.00	1,372.15
	JRD	Draft patent application	5.40	225.00	1,214.69
	JRD	Meeting with draftsman; draft patent application	3.20	225.00	719.81
	JRD	Finalize first draft of specification; teleconf with draftsman regarding: drawings.	6.10	225.00	1,372.15
	JRD	Teleconference with draftsman regarding: status of drawings.	0.10	225.00	22.49
	JRD	Teleconference with draftsman regarding: status of drawings.	0.10	225.00	22.49
	JRD	Review drawings from draftsman; finalize initial draft of specification	1.20	225.00	269.93
	JRD	Finalize draft claims; forward draft to inventor for review and comments.	2.20	225.00	494.87
	JRD	Teleconference with J. Moran (HP Attorney) regarding: draft 1 of patent application.	0.50	225.00	112.47
12/4/2001	JRD	Teleconference with inventor, revise application and drawings per inventor input; prepare declaration and assignment; forward final draft of application and inventor paperwork to inventor for signature.	2.80	225.00	629.84

12/10/2001	JRD	Finalize and file patent application; prepare EPO claims and abstract; forward copies of all filed documents and the EPO claims and abstract to HP.	3.50	225.00	787.30
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Fees subtotal this matter: 7,243.13

Disbursements:
Date

Description

	2.75% service charge for funds advanced.	6.87
	Advanced payment of draftman's fee (2 sheets of formal drawings)	250.00
	Disbursements subtotal this matter:	<u>256.87</u>

Subtotal for Matter 1072-075 7,500.00

Summary of this Statement:

Previous Balance:	0.00
Total Current Billing:	7,500.00
Payments and Trust Application:	(0.00)
Total Now Due: US\$	<u>7,500.00</u>

APPROVED FOR PAYMENT

John C. Moran
1/17/02
Date

7682
00-1039

FAU

APPROVED FOR PAYMENT

Greg Kelley
1-17-2002
Date

188054

E0042418141'

STATEMENT SUMMARY

RECEIVED

DEC 17 2001

HP LEGAL FINANCE

ipsolon llp

805 sw broadway #2740

portland, oregon 97205

telephone: (503) 249-7066

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email: billing@ipsolon.com

Statement as of December 11, 2001

Statement No. 4574

Financial Administrator
Hewlett-Packard Company
Legal Dept., M/S 20BOB
P.O. Box 10301
Palo Alto CA 94303-0890

Passenger Seat Embedded Printer

Current Fees: 7,243.13

Current Expenses: 256.87

Total Current Billing: 7,500.00

Previous Balance Due: 0.00

Payments and Trust Applied: (0.00)

Total Now Due: US\$ 7,500.00

PLEASE WRITE OUR STATEMENT NUMBER ON YOUR CHECK OR CHECK STUB

Payment requested within thirty days of receipt of this statement.

Thank You

EXHIBIT C
(Executed Declaration)



E 0 0 4 2 4 1 8 1 4 1

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 10013703

As a below named inventor, I hereby declare that: My residence/post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IN-VEHICLE PRINTING SYSTEM

The specification of which is attached hereto unless the following box is checked:

() was filed on _____ as US Application No. or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

Table with 4 columns: COUNTRY, APPLICATION NUMBER, DATE FILED, PRIORITY CLAIMED UNDER 35 U.S.C. 119. Includes YES/NO checkboxes.

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

Table with 2 columns: APPLICATION NUMBER, FILING DATE.

U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Table with 3 columns: APPLICATION NUMBER, FILING DATE, STATUS (patented/pending/abandoned).

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879

Place Customer Number Bar Code Label here

Send Correspondence to: HEWLETT-PACKARD COMPANY, Intellectual Property Administration, P.O. Box 272400, Fort Collins, Colorado 80527-2400. Direct Telephone Calls To: John Moran, (970) 898-7010.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Rene Charles Aquilina Citizenship: USA

Residence: Milford, Michigan

Post Office Address: HP IP Administration, PO Box 272400, Ft. Collins, CO 80527

Inventor's Signature [Signature] Date 12/8/01

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